

### Waste Management, Inc.

A WMX Technologies Company 3900 S. Wadsworth Boulevard Suite 800 Lakewood, CO 80235 Phone 303.914.1400

May 23, 1995

Jeff Zelikson, Director
Hazardous Waste Management Division
United States Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105-3901

Via Certified Mail RRR Z 081 192 230

Re: Omega Chemical Corporation Site: Change of Address for Chem Waste Manager

Dear Mr. Zelikson:

Please note that the offices of Waste Management, Inc. - Mountain Group have relocated to:

3900 South Wadsworth Boulevard Suite 800 Lakewood, Colorado 80235 (303) 914-1454 (303) 914-9927

Please address all future correspondence, notices, etc. concerning the Omega Chemical Corporation Site and Chemical Waste Management, Inc. to me at this address.

Thank you for your attention to this matter.

Sincerely,

P.B. "Lynn" Walker

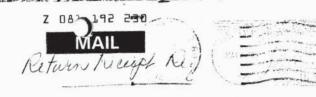
Senior Environmental Counsel

PBW/dmw



### Waste Management, Inc.

A WMX Technologies Company 3500 S. Wadsworth Boulevard • Suite 800 Lakewood, CO 80235

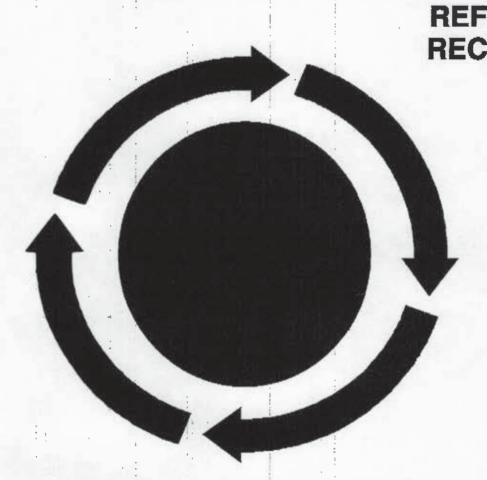


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JEFF ZELIKSON, DIRECTOR
HAZARDOUS WASTE MANAGEMENT DIVISION
U S ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 HAWTHORNE STREET
SAN FRANCISCO CALIFORNIA 94105-3901

Printed on recycled paper

# OMEGA REFRIGERANT RECLAMATION



REFRIGERANT RECLAMATION SERVICES HALONS HCFC's HFC's CFC's

**EPA CERTIFIED RECLAMATION FACILITY** 

## NATIONWIDE SERVICE

12004 E. WHITTIER BLVD. WHITTIER, CA 90602 [310] 698 0991 Fax [310] 696 1908 PLANTS: N. LAS VEGAS, NV; CHATTANOOGA, TN; AND PHILADELPHIA, PA

### BANKING REFRIGERANTS FOR THE FUTURE

### COMBA REFRIGERANT BANK



Protect your future supply with Omega's benking program We will store your reclaimed refrigerant for you to assure your future supply.

### OMEGA RECLAIMS ALL REFRIGERANTS TO ARI 700 SPECIFICATIONS

### CHLOROFLUOROCARBONS (CFCs)



Refrigerants are becoming increasingly expensive. Omega can help you control costs and ensure availability of your valuable refrigerants.

CFC-11Trichlorofluoromethane CFC-12 Dichlorodifluoromethane CFC-113 Trichlorotrifluoroethane CFC-114 Dichlorotetrafluoroethane R-500 Azeotrope Blend R-502 Azeotrope Blend R-503 Azeotrope Blend

### CPC REPLACEMENTS AND ALTERNATIVES: HCFC's, HFC's, and Blends

As you replace your CFC refrigerants with environmentally preferred refrigerants.

Omega will also provide rectaiming services for the CFC alternative refrigerants.

HCFC -22 HCFC -123 HFC - 134a HCFC - 141b NP Series HP Series

### **USED REFRIGERANT OIL DISPOSAL PROGRAM**



Omega will supply you with one or five gallon disposal kits for the legal disposal of your waste refrigerant oils.
Just fill them and send the full kit to Omega.
No more worny about proper disposal.
I Service in California not available 1



### **OMEGA WILL PURCHASE USED REFRIGERANTS**

Omega offers competitive prices on all used refrigerants. Even mixed or burned out refrigerants have value We can supply recovery containers for large systems

### OR YOU SAVE MORE MONEY

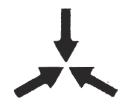
### **NEW REFRIGERANT IS EXPENSIVE** SAVE BY RECLAIMING WITH OMEGA



### **OMEGA WILL RECLAIM YOUR USED REFRIGERANTS BACK TO ARI 700 SPECIFICATIONS FOR YOU**

Reclaiming Refrigerant is half the cost of new refrigerant including the CFC Tax. Reclaiming saves you money while saving the environment. It costs less to reclaim than to vent and purchase new refrigerant.

### DOED REFRIGERANTS: THE SOLUTION!!!



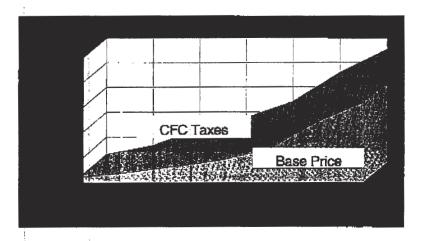
Mixed Refrigerants are not a problem! Omega can separate your mixed refrigerants. Omega has been reclaiming refrigerants for 30 years Don't get rid of your future supply. RECLAIM them.

### COST OF NECLAIMING IS USUALLY HALF THE COST OF NEW REFRIGERANT



we on the cost of refrigerant y reclaiming

### REFRIGERANTS ARE TOO VALUABLE TO BE USED ONLY ONCE RECLAIM THEM



### LABORATORY ANALYSIS OF REFRIGERANTS AND OILS



10:52

Omega can provide complete analysis of your refrigerants and oils.

Our laboratory can provide you with a full and complete analysis report.

Omega's quality program provides you the user and service contractor with quality assurance.

### LITHIUM BROMIDE



Reclaim your used Lithium Bromide Solutions
Save money and avoid expensive disposal charges
and the high cost of replacement
Cost Savings on reclaimed Lithium Bromide can be 65 % of new or more.
Special Inhibitor packages available.

# MATIONWIDE DEPOTS ACCEPT LARGE OR SMALL AMOUNTS USED REFRIGERANT

Omega has nationwide depots available to accept your used refrigerants. Each depot can accept all types of your used refrigerants. Call Omega to find the closest depot to you.

Omega has several Refrigerant Reclamation Facilities ready to serve you.



13804 E. WHITTIER BLVD. WHITTIER, CA 90602 [310] 698 0991 Fax [310] 696 1908 PLANTS: N. LAS VEGAS, NV; CHATTANOOGA, TN; AND PHILADELPHIA, PA



## OMEGA REFRIGERANT RECLAMATION

### NATIONWIDE REFRIGERANT RECLAMATION **SERVICES**

The following	ng document is	being transmitted	by electronic	facsimile	equipment
Please call	[310] 698 0991	immediately if ye	ou experience	difficulty	receiving.

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12504 E. WHITTIER BLVD., WHITTIER, CALIFORNIA 90602



Mr. Dennis Dickerson Regional Administrator Department of Health Services 1405 N. San Fernando Blvd. Suite 300 Burbank, CA 91504

July 30, 1990

Dear Mr Dennis Dickerson,

I received your Notice of Deficiencies on Omega's Operation Plan Part B. You have requested extensive amount of details and expansion of our original permit. In order to comply with your need to have a polished and complete Part B application and to avoid an incomplete response. I am requesting an extension of 120 days to complete all the deficiencies as requested.

We are at the same time going through the Tanner Process with our expansion plans with the City of Whittier as well. Both processes take considerable amount of management time. As part of our permit requires the South Coast Air Quality Management District's permits as well. It is impossible to respond with the proper details and specifications as requested in the original 30 days.

Your response to our request to extend our response time would be appreciated so that we can provide the proper and appropriate details as required.

Yours,

Dennis R. O'Meara

President

cc: Mr. Paul Blais, Chief, HWMS Mr. Michael Feeley, Chief EPA



Mr. John A. Hinton, Chief Facility Permitting Unit Department of Health Services Region 3 1405 N. San Fernando Blvd. Suite 300 Burbank, CA 91504

January 11, 1990

Dear Mr. John Hinton,

As requested in your letter of December 13, 1989, I have resubmitted Omega's Part B Application along with an amended Part A.

You will find enclosed the following:

Hazardous Substances Fee Application and Transmittal Document

A check for \$31,000.00 as a required for a medium Storage and Treatment Facility.

Amended Part A Application

Amended Part B Application

The CEQA documentation is in process regarding the facility. The initial study has not been completed. As soon as this study has been completed a copy will be sent to your office.

Your Department already has copies of the Appendices to the Operation Plan as well as copies of the Omega Training Manual for Employees.

Omega does not waive its right for a refund of the submitted \$31,000.00 application fee. It has submitted on annual basis an amended Part B application to the DOHS. It is only after the fee was instituted in July of 1989 that the Department elected finally to review our application. It does not feel it is legally correct to charge a fee on an application that was submitted prior to the July, 1989 date.

It will be submitting the revised application on the Boiler Cogeneration Project when it has completed the additional trial burn plan as requested. This will come as a separate application to the Department.

Mr. John A. Hinton, Chief Facility Permitting Unit Department of Health Services Region 3

Page 2

January 11, 1990

Thank you for your consideration of our application.

Yours,

Dennis R. O'Meara

Enclosure

cc: Mr. Dink Mather -PMPS, Fee Unit DHS 714/744 P St. Sacramento, CA 94234

Michael Feeley, Chief U.S. Environmental Protection Agency State Program Branch 215 Fremont St. San Francisco, CA 94105



Mr. James Sayer Planning Research Corp. US EPA Region IX 594 Howard St. Suite 401 San Francisco, CA 94105

April 17, 1990

Dear Mr. James Sayer,

I have corrected the enclosed Part A as requested by EPA. Please let me know if there is any additional information you need.

Yours,

Dennis R. O'Meara

**Enclosures** 

cc: Department of Health Services, California



EPA Region IX Attn: A-3-2 215 Fremont St. San Francisco, CA

August 5, 1989

Interim Status Amendment to Part A EPA # CAD042245001

Sir

Enclosed is an amendment to Omega Chemical Corp's Part A and RCRA Form 3 for its Whittier TSDF facility..

Omega's Part B has been submitted to the Department of Health Services. It is also being amended to incorporate the most recent revisions that are included in the enclosed amendment.

Should you have any questions, please contact me at Omega.

Yours,

Dennis R. O'Meara

President

Omega Chemical Corp.

cc: Enclosures

cc: Department of Health Services

Sacramento - Director Los Angeles - John Hinton



Permit Contact, Permits Branch (E-4) U.S. Environmental Protection Agency 215 Fremont Street San Francisco, CA 94105

October 19, 1987

Dear Sir;

Enclosed is the Amended Part A for Omega Chemical Corp.

This amendment contains the most recent proposed additions and corrections to our previous Part A submitted July 16, 1986.

Should you have any questions regarding this application, please contact me.

Yours,

# NOTICE OF INTENT TO APPLY FOR A SPECIFIED HAZARDOUS WASTE FACILITY PROJECT UNDER HEALTH AND SAFETY CODE SECTION 25199.7

Date: January 25, 1989 State Clearinghouse #: 89020371

### I. APPLICATION BY:

- a) Corporation
- b) Applicant's Name: Omega Chemical Corp.
- c) Applicant's Address: 12504 E. Whittier Blvd Whittier, CA 90602
- d) Applicant's Telephone: 213 698 0991 Fax 213 696 1908
- e) Applicant Contact: Dennis R. O'Meara

II TITLE OF PROPOSED PROJECT: Omega Recovery Expansion

### III LOCATION OF PROPOSED PROJECT:

- a) Street Addres or nearest cross street: 12512 E. Whittier Blvd, Whittier, CA 90602
- b) Incorporated City: Whittier
- c) County: Los Angeles

IV <u>PROJECT DESCRIPTION</u>: (Include method of treatmeth and disposal, type of hazardous wastes, volume, transportation mode(s) and route(s). service area, nature, function and scope.):

This is an off site facility that is expanding to an adjoining property. This property is zoned the same as the original site. This facility will continue to accept hazardous waste from the industrial and commercial California market. Transportation to the site is by truck exclusively.

At this location we process by a variety of proven separation techniques primarily waste organic and water to original or user specifications. This allows these products to be recycled, avoiding the unnecessary dumping of these wastes into landfills or evaporating into landfills or evaporating into the air.

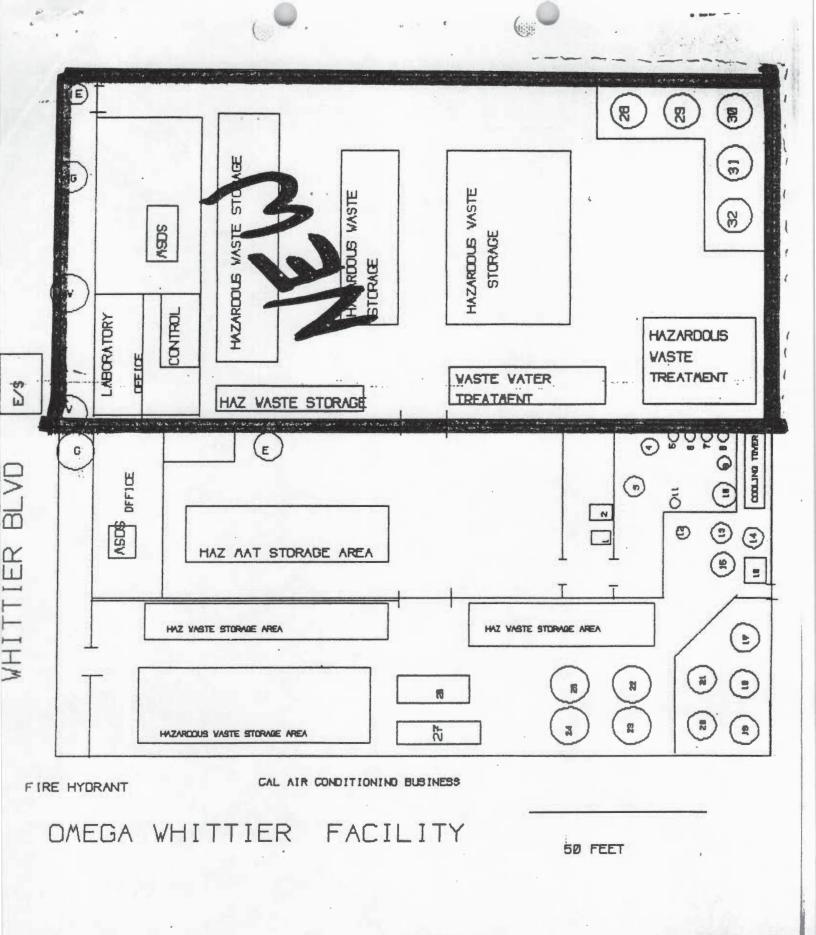
These wastes are produced by a wide assortment of manufacturing and industrial processes. These commercial practices generate the wastes.

# NOTICE OF INTENT TO APPLY FOR A SPECIFIED HAZARDOUS WASTE FACILITY PROJECT UNDER HEALTH AND SAFETY CODE SECTION 25199.7

Sources of these wastes are from the following industries.

Food and Kindred Products Textile Mill Products Lumber and Wood Products Furniture and Fixture Products Paper and Allied Products Printing and Publishing Chemicals Petroleum Refining Rubber and Plastics Leather Primary Metal Fabricated Metal Transportation Equipment Machinery Electrical and Electronic Medical and Optical

- The highest priority is to recycle all wastes back to the original generator's commercial use specifications and/or other end user requirements by removing through various treatment processes the contaminants in the waste stream from the original desired product.
- If the waste material has little economic value for recycling or has a complex range of contaminants making the recycling process uneconomic, then waste will be processed to either reduce its hazardous characteristics by removing a waste component quantity that would eliminate one or more hazard category. The resultant waste material could then be handled or treated by a method to eliminate any long term hazardous condition.
- Another method is use the inherent thermal value of the organic waste material and process it into an acceptable fuel for use in industrial boilers and furnaces at sites which are permitted by the appropriate state and federal agencies.
- All equipment and storage at the current site and the proposed site are above ground. Concrete diked areas contain and surround the entire facility to control any spill.



### NOI ACKNOWLEDGEMENT LETTER

DATE: February 2, 1989

TO: Dennis O'Meara

President

Omega Recovery Services

12504 East Whittier Bouelvard

Whittier, CA 90602

FROM: Office of Planning and Research/Office of Permit Assistance

RE: Notice of Intent for Specified Offsite Hazardous Waste

Facility:

Applicant Name: Omega Recovery Services

Street Address: 12504 East Whittier Boulevard

City: Whittier, CA 90602

Contact Name: Dennis O'Meara

Telephone: (213) 698-0991

Project Title: Expansion of Whittier Recovery

Facilty

Project Location: Street: 12512 East Whittier Boulevard

City: Whittier

County: Los Angeles

State Clearinghouse Number: 89020371

OPA Contact Person: Lisa Ceran

Date: Letter of Intent Received: 02/02/89

90-Day Pre-application Period Ends: 05/02/89

Office of Permit Assistance 1400 10th Street Sacramento, CA 95814 (916) 323-7480 Ø

Office of Hazardous
Waste Notification
U.S Environmental Protection Agency
Region IX
215 Fremont Street
San Francisco, CA 94105

January 12, 1989

RE: Export of Hazardous Waste from Whittier to Canada.

Dear Sir:

As per CFR 40 265.12(a), we are notifying you of our intent to export hazardous waste from our facility in Whittier, California to Insolco, 9800-190th Street, Surrey B.C., Canada V3T 4W2, for treatment and/or recycling, and/or proper disposal.

### Information:

Name, mailing address, telephone number and EPA Number of the consignor:

Omega Recovery Services 12504 E. Whittier Blvd. Whittier, CA 90602

Telephone: (213) 698-0991

EPA I.D.# CAD042245001

### EPA Waste Types, and DOT Shipping Names:

D001, Generic ignitable waste

Waste flammable liquid N.O.S.; hazard class, flammable liquid; I.D. Number UN 1993.

Waste flammable solid, N.O.S.; hazard class, flammable solid; I.D. Nuumber, UN 1325.

Waste Styrene Monomer, inhibited; hazard class, flammable liquid; I.D. Number UN 2055.

F001. The following spent halogenated solvents used in degreasing: Tetrachlorethylene, Trichloroethylene, Methylene Chloride, 1,1,1 Trichloroethane, Carbon Tetrachloride, and chlorinated fluorocarbons; and sludges from the recovery of these solvents in degreasing operations.

Waste 1,1,1 Trichloroethane; hazard class, ORM-A; I.D. Number, UN 2831.

Waste Trichloroethylene; hazard class, ORM-A; I.D. Number, UN 1710.

Waste Methylene Chloride; hazard class, ORM-A; I.D. Number, UN 1593.

Waste Tetrachloroethylene; hazard class, ORM-A; I.D. Number, UN 1897.

Waste Carbon Tetrachloride; hazard class, ORM-A; I.D. Number, UN 1846.

Hazardous waste liquid (freons), N.O.S.; hazard class, ORM-E; I.D. Number, NA 9188.

\*Waste flammable liquid mixture, N.O.S.; hazard class, flammable liquid; I.D. Number, UN 1993.

\*NOTE: It is most probable that the above solvents will be blended with F003, F005, and D001 waste.

F002. The following spent halogenated solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1 Trichloroethane, Chlorobenzene, 1,1,2 Trifluoroethane, Orthodichlorobenzene, and Trichlorofluoromethane; and the still bottoms from the recovery of these solvents.

Waste Trichloroethylene; hazard class, ORM-A;I.D. Number UN 1710.

Waste Methylene Chioride; hazard class, ORM-A; I.D. Number, UN 1593.

Waste Tetrachloroethylene; hazard class, ORM-A; I.D. Number UN 1897

Hazardous waste liquid (freons), N.O.S.; Hazard class, ORM-E; I.D. Number NA 9188.

\*Waste flammable liquid mixture, N.O.S.; Hazard class, flammable liquid; I.D.Number, UN 1993.

\*NOTE: It is most probable that the above solvents will be blended with F003, F005, and D001 waste.

F003. The following spent non-halogenated solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone. N-butyl Alcohol, Cyclohexanone, and Methanol; and the still bottoms from the recovery of these solvents.

Waste paint related material; hazard class, flammable liquid, I.D. Number NA 1263.

Waste flammable liquid, N.O.S.; hazard class, flammable liquid: I.D. Number, UN 1993.

F004. The following spent non-halogenated solvents: Cresols and Cresylic acid, and Nitrobenzene; and the still bottoms from the recovery of theses solvents.

Waste Cresol mixture; hazard class, corrosive material; I.D. Number UN 2076.

F005. The following spent non-halogenated solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutonol, and Pyridine: and the still bottoms from the recovery of these solvents.

Waste paint related material: hazard class, flammable liquid; I.D. Number NA 1263.

Waste flammable liquid, N.O.S.; hazard class, flammable liquid, I.D. Number, UN 1993

Reactive waste D003

Waste water, reactive solid, N.O.S.; hazard class, flammable solid, UN 2813.

Waste ORM-A, N.O.S.; hazard class, ORM-A; I.D Number, NA 1693.

Hazardous waste liquid, N.O.S.; hazard Class, ORM-E; I.D. Number NA 9189.

Waste poisonous liquids, N.O.S.; hazard class, poison B; I.D. Number UN 2811.

EP Toxicity wastes D004, D005, D006, D007, D008, D009, D010, D011.

Waste poisonous liquid, N.O.S.; hazard class, poison B; I.D. Number UN 2810.

Waste poisonous solid, N.O.S.; hazard class, poison B; I.D. Number UN 2811.

Waste insecticide, dry, N.O.S.; hazard class, poison B; I.D. Number NA 2588.

Waste insecticide, liquid N.O.S.; hazard class, poison B; I.D. Number, NA 2902.

Estimated Frequency:

Approximately four times a month for the remainder of the 1989 calendar year after consent has been granted.

Total Estimated Quantity: 105600 gallons.

<u>Point of Entry:</u> Pacific Highway crossing.

Transportation:
By truck, in 55 (U. S.) gallon drums, or in bulk.

Method of Treatment:
Chemical and/or physical treatment, including but not limited to: neutralization, precipitation, oxidation, flocculation, flotation, recycling stabilization, and detoxification.

### Consignee:

Insolco 9800-190th Street Surrey, B.C. Canada V3T 4W2

I hope that this information is sufficient. If you require any additional information, please call (206) 223-0500.

Yours truly,

President

DRO/sle

CC: Wendy Grieder

EPA Office of International Activities

401 M Street, S. W.

Washington, D.C. 20460



US EPA Region IX RCRA Programs Section (T-2-1) Toxics and Waste Management Division 215 Fremont St. San Francisco, CA 94105

July 16, 1986

Sir;

### Subject : TSDF Facility CAD042245001

On October 10, 1980 when we first submitted the various forms of Part A. We listed as part of our method of treatment on page 3 of form3510-3 under process codes the code D80.

It was under the mistaken belief that you wanted to know how we handled the various forms of waste including disposal. We process and treat the waste and the residual material is landfilled. However, the landfilling is done at either Casmalia or Kettleman Hills.

Omega has never landfilled at our site. Let me repeat that Omega has never landfilled at our site in Whittier. It was our understanding that you wanted all the processes that we use on the waste accepted at our site. When we say we landfill that means to us that we are taking it to an authorized landfill facility. It was our mistake to include D8O as one of the process codes.

The enclosed Forms represent a corrected form and should replace all of the forms submitted to you previously.

For the past several years, we have continuously been mistaken to perform landfilling at our site by various EPA and DOHS officials. We have contacted several agencies and persons over the years to correct this mistake. Yet we find ourselves still listed as performing landfill disposal at our site.

That is incorrect. It is imperative that we have a confirmation from your office that you have received the enclosed the forms and understand the correction.

Should anyone wish to contact me I will be available at our firm to reiterate the above.

Dennis R. U Meara



RUMINER LUMINER

\*86 JAN 17 P12:10

Jan. 14, 1986

Mr. Mel Knight
Department of Health Services
107 S. Broadway
Room 7011
Los Angeles, Ca. 90012
Dear Mr. Knight:

file

As a matter of introduction Omega Recovery Services, formerly Omega Chemical Corp CAD042245001, is a recycler of chlorinated and fluorinated solvents in addition to other specialty chemicals. We have been in the business for about 30 years. We obey all the laws and regulations, have the required insurance, and have all of our vehicles properly licensed and insured. In short we try to do everything by the book.

It has come to our attention that there are two companies operating illegal treatment facilities. They are registered as generators and transfer facilities only. These companies are Davis Chemical Co.; CAD070215355 1550 N. Bonnie Beach Pl.; Los Angeles, Ca. 90063 and Plastic Materials Inc.; CAD089446710; 3033 Mission Rd.; Alhambra, Ca. 91803. Both are running distillation units recovering solvents. We feel that it is unfair for us to go to the trouble and expense of maintaining a legal facility while competing with companies that don't. These companies could also give the rest of us a bad name if during their illegal operations they have an accident which brings them under public scrutiny.

Please investigate and let me know how you will proceed. If you have any questions please do not hesitate to contact me.

Sincerely yours,

Kogs B. Smith

Roger B. Smith

National Sales Manager

cc: DHS-Sacramento EPA-Region IX



Should you have any other questions regarding our current facility, please let me know. I would like to request a confirmation from your office that this oversight regarding Omega has been received and corrected in the proper files. Your help in doing this would be greatly admired. Since this misunderstanding has caused us a great deal of incorrect correspondence and problems with our proper operating permit requirements.

Yours,

Dennis R. O'Meara

President

CAO 042 245 00

Omega Chemical Corp.

Bachelor Chemical Processing Div.

Mr. Michael T. Feeley RCRA Programs Section (T-2-1) U. S. Environmental Protection Agency 215 Fremont St. San Francisco , CA 94105

December 17, 1985

Mr. Michael T. Feeley;

Omega Chemical Corp. received your letter indicating that it has lost its interim status as a land disposal unit. This is encouraging because Omega has never requested such status from the EPA.

Our facility is a TSDF facility in that stores and treats hazardous waste. However, Omega has never disposed of material on its site nor has it ever intended to perform such a practice. I believe that there was some confusion initially on the original Part A.

The Part A asked how we intend to dispose of the waste generated at our facility. Omega filled out the form saying that it would landfill all waste not capable of being recycled. Evidently this was understood to mean that Omega would landfill at its present site. It in fact meant that it would dispose of its waste at an authorized land disposal site such as Kettleman or Casmalia. Omega did not intend to establish itself as a land disposal unit only that it would use authorized facilities to dispose of its waste.

Omega has filed its Part B with the State of California as a Resource Recovery Facility back in August 1983. Subsequently, it has amended this document twice. Most recently in October, 1985. Omega has provided the appropriate financial requirements in the Part B. Mainly, a trust agreement held by the Bank of America. This was done in August, 1983. Since Omega has nor never intends to land dispose on its site, we are not required to perform Ground Water requirements of a land disposal unit.



# Omega-Chemical Corp.

Bachelor Chemical Processing Div.

CAD042 245 FOI

Toxic Substances Control Division
Dept of Health Services
714-744 P Street
Sacramento, California 707457 October 18, 1984

Sir;

Subject: Discrepancy on Manifest 83629230

On October 9, 1984, the organization known as Industrial Waste Utilization ,CAD980585293, brought to our firm on the above mentioned Manifest approximately 700 gallons of waste. On the manifest it was described as containing 80% to 75% Isopropanol and 25% to 20% water and remaining material to be rust. This material was brought in a bulk container to our facility at Whittier. We emptied his bulk container into empty waste drums at our site.

At that time we removed a sample of this material and performed an analysis on this waste. A copy of this waste gas chromatograph is attached. It showed the following

	Actual	Manifest
WATER	40.3%	25 - 20%
ISOPROPANOL	57.1%	80 - 75%
UNKNOWN	2.4%	Not Listed

Mr. David Alloy of Industrial Waste Utilization was contacted on the phone and told of the discrepancy. He was informed that the disposal cost for this material would be \$2.00 per gallon. He refused to pay this amount for the proper disposal and treatment of this material. Omega then asked him to remove his material from our facilities. He indicated that he could and would do this by October 18, 1984.

12504 EAST WHITTIER BOULEVARD • WHITTIER, CALIFORNIA 90602 • (213) 698-0991

# Omega Chemical Corp.

Bachelor Chemical Processing Div.

At 4:30 P.M. October 18, 1984 Mr Alloy contacted myself at Omega and stated that he would not pick up his discrepant material. He stated that it was Omega's problem not his. He would only pay \$0.25 per gallon. He was then notified that failure to properly identify the material and make the requested changes within the given time period requires Omega to notify the Department of Health Services of the discrepancy and related agencies.

It is Omega's policy to follow the proper procedures as stated in both the Federal and State Environmental Laws and Regulations. Omega must now inform you of the above and request your instructions as to properly handle this matter. We have quarantined Mr. Alloys' material until you have directed us to the proper disposition of this material. The following Agencies will receive a copy of this letter.

Sincerely,

Dennis R. O'Meara

Omega Chemical Corp.

CADD42245001

cc:Xerox Corporation (Generator)
701 S. Aviation Blvd.
El Segundo, Calif. 90245
L. W. Jackson

Environmental Protection Agency Region Nine San Francisco, California

Los Angeles County
Toxic Substances Div.
L.A. County Health Dept.
04 EAST ANGELES, CALIFORNIA 90602 • (213) 698-0991

C SUBSTANCES CONTHOL DIVISION 44 P Street

### ORM HAZARDOUS WASTE MANIFEST

FORM NO. DHS-8022A 3-84

mento, CA 95814 e print or type with ELITE type (12 characters per inch).

STATE ID NUMBER

83629230

DATE RECEIVED & ACCEPTED DAY

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n.A.D.Mu. n.A.II. C. MI

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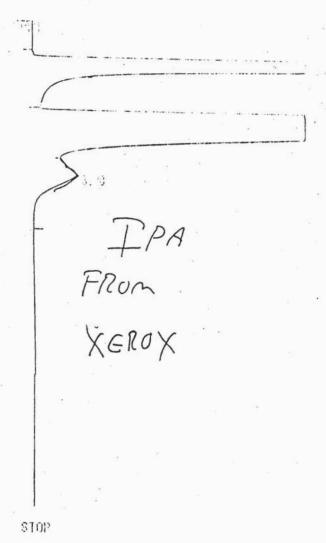
Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number.

See instructions. Tay Soleman. Per ID NUMBER

BY TSDF

Printed or typed full name and signature

BY TRANSPORTER



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# Feb. 28, 1983 UNIFORM HAZARDOUS WASTE MANIFEST

Department of Health Services

P.O.#19119 Shipper #10962

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# Omega Chemical Corp.

Bachelor Chemical Processing Div.

February 23, 1983

FER ZR 9 52 M 83

Randy C. Marcus EPA, Region 9 M/C T-3-2 215 Fremont Street San Francisco, CA 94105

Randy,

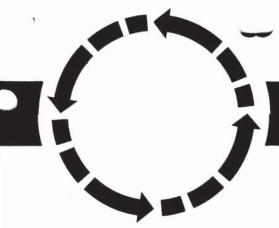
Look forward to seeing you next Tuesday, March 1st.

Enclosed are our Closure Plan and financial requirements.

Yours truly,

Dennis R. O'Meara

DRO:sle



# Bachelor Chemical Processing Div.

### SPECIFICATION

Omega Chemical Corp.

Closure Plan

12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

Omega Chemical Corporation Closure Plan for Whittier Facility

As defined by section 265.111 & 112 Closure Plan, Omega will describe how and when our facility would be closed including the following sections

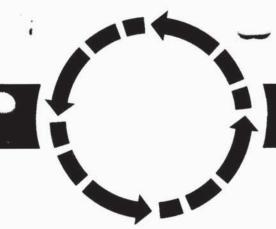
265.197; 265.228; 265.280; 265.310; 265.351; 265.381 & 265.404.

Our estimate of maximum inventory of wastes in storage or in treatment at any given time during the life at Omega's facility 12504 E. Whittier Blvd., Whittier, California 90602, is as follows

Trichlorotrifluoroethane	150,000#
Dichloromethane	25,000#
1,1,1 Trichloroethane	130,000#
Perchloroethylene	25,000#
Ethanol	90,000#
Lithium Bromide	50,000#
Trichlorofluoromethane	50,000#
Dichlordifluoromethane	75,000#
Isopropanol	75,000#
N.O.S.	
Miscellaneous Organic Liquids	60,000#
Tetrahydrofuran	50,000#

Almost all these materials are stored in drum containers prior to processing.

All material is stored in containers, the equipment that Omega uses to process this material would be steam cleaned to remove any trace of residue material. All equipment is stainless steel so that by steam cleaning it can be thoroughly cleaned.



## Bachelor Chemical Processing Div. SPECIFICATION Omega Chemical Corp.

### 12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

All wastes would be processed. It would take 60 days to process all wastes that are at our facilities. The residue left from our processing would be transported to a Class 1 landfill.

It would be expected that 60 days from the date when Omega stops accepting wastes, the entire facility would have all wastes processed and removed.

Section 265.197 Material Removed from Tanks.

Omega would process all the waste material from the tanks. When all wastes are removed, it would steam clean all tanks to insure all residue would be removed.

Section 265.228 Impoundment

This is not applicable since Omega has no impoundment areas.

Section 265.280 Soil Contamination

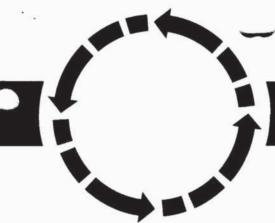
This section deals primarily with landfills. Omega is not a landfill but a recycler and processor of wastes. The soil will be tested in representative areas for surface contamination. Should this soil be contaminated beyond the maximum limits, the soil would be removed until further contamination is negilible.

Section 265.310 Landfill Cover

This is not applicable to Omega's operation.

Section 265.351 Incineration

This section is not applicable to Omega's operation since we do not operate an incinerator.



# Bachelor Chemical Processing Div. SPECIFICATION

### Omega Chemical Corp.

12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

Section 265.381 Thermal Equipment

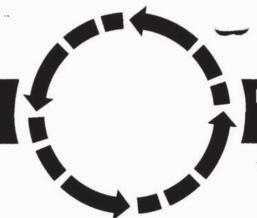
This section is not applicable to Omega's operation since we do not operate thermal equipment.

Section 265.404 Treatment Equipment

After the equipment has finished processing our waste the residue will be drained. The residue waste will be placed in a Class 1 landfill.

The equipment will be steam cleaned and rinsed. This will remove any trace amounts of waste organic material.

This should fulfill all requirements as required in the RCRA for closure of our Resource Recovery Facility.



## Bachelor Chemical Processing Div. SPECIFICATION

### Omega Chemical Corp.

12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

Financial Requirements for Omega Chemicals Closure Plan

All of our wastes that are stored are for further processing and recycling. The actual residue from the total to be processed would be a small percentage. From our current experience the residue left from processing would be at a maximum of 4000 gallons of mixed organic liquids. cost of disposal of this material is estimated to be \$2,500.00

To steam clean and drain all equipment would cost approximately \$3,000.00.

All other wastes will have been processed into marketable products for the customers. Therefore our total closure cost estimate to include any additional continguencies would be

Waste disposal	\$2,500.00
Clean of Equip.	\$3,000.00
Contingency	\$4,500.00
Total	\$10,000.00

The financial assurance requirements will be fulfilled by the following 265.143e, iii "Net working capital in the United States of at least twice the adjusted closure cost estimates."

Omega's working capital as of 2/28/82 was \$129,726.00. (See attached CPA certified balance sheet). This exceeds the minimum requirement by six (6) times.

CANNON DELAPLANE & CO.

CERTIFIED PUBLIC ACCOUNTANTS

ROGER W. CANNON, JR. RICHARD A. DELAPLANE

1263 WESTWOOD BOULEVARD LOS ANGELES, CALIFORNIA 90024 (213) 479-7718 AND 272-8269

April 9, 1982

Mr. Dennis O'Meara Omega Chemical Corporation Whittier, California

We have reviewed the accompanying balance sheets of Omega Chemical Corporation as of February 28, 1982 and February 28, 1981 and the related statements of income, retained earnings, changes in financial position and operating expenses for the years then ended, in accordance with standards established by the American Institute of Certified Public Accountants. All information included in these financial statements is the representation of the management of Omega Chemical Corporation.

A review consists principally of inquiries of company personnel and analytical procedures applied to financial data. It is substantially less in scope than an examination in accordance with generally accepted auditing standards, the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

Based on our review, we are not aware of any material modifications that should be made to the accompanying financial statements in order for them to be in conformity with generally accepted accounting principles.

Cannon Delaplan + lo.

### OMEGA CHEMICAL CORP ATION

### BALANCE SHEET

*	February 28, 1982	February 28.									
ASSETS											
Current assets: Cash Accounts receivable (Note 1) Due from affiliated companies Inventories (Note 1) Prepaid expenses	\$ 9,002 151,829 54,800 79,954 19,309	\$ 19,301 90,482 28,306 61,743 16,864									
Total current assets	314,894	216,696									
Fixed assets (Notes 1, 2 and 3)	370,602	306,682									
Less - Accumulated depreciation	148,768	121,500									
* <sub>c</sub>	221,834	185,182									
Other assets	9,853	3,722									
	\$546,581	\$405,600									
LIABILITIES AND STOCKHOLDER'S EQUITY											
Current liabilities: Current portion of long-term debt (Notes 1, 2 and 3) Notes payable, banks Accounts payable and accrued expenses	\$ 34,590 21,000 97,617	\$ 30,930 47,000									
Accrued interest Payroll and sales taxes Income taxes payable (Note 1 and 4)	15,050 5,111 11,800	11,641 6,866 12,051									
Total current liabilities	185,168	149,846									
Long-term debt, net of current portion (Notes 1, 2 and 3)	<u>138,765</u>	133,278									
Stockholder's equity: Common stock; no par; authorized 1,000,000 shares; 30,000 shares issued and outstanding Retained carnings	30,000 192,648	30,000 92,476									
	222,648	122,476									
Commitment (Note 5)	<u></u> .										
	\$546,581	\$405,600									

See accountants' review report and accompanying notes to financial statements.

## Maintenance and Inspection

The Pfaudler Wiped Film Evaporator tends to be self-cleaning, primarily because of the wiping effect of the slotted wiper blades on the heat transfer surface and the low volume of product passing through the unit at any given time. Depending upon product characteristics, frequently units can be cleaned in place without disassembly. Simply substitute a suitable solvent or cleaning solution for the product feed material and run it through the unit with reduced jacket temperature.

There are other pluses to the cleaning and maintenance cycle of the Pfaudler Wiped Film Evaporator.

- 1. Units can be quickly maintained and serviced by one man.
- 2. Rotor and drive assembly easily removed as a single unit for cleaning.
- 3. Wipers act as guides to prevent scoring of heat transfer surface when rotor assembly is removed as a single unit.

# Materials of Construction

Pfaudler fabricates from a variety of standard materials such as 316 L clad and solid 316 stainless steel. The Specifications Chart identifies which material of construction is standard for each unit. Wiped Film Evaporators can also be built on a custom basis using other types of stainless steel, Hastelloy, nickel, carbon steel and Glasteel®. All units are manufactured in the Pfaudler Rochester plant which has been fabricating alloy equipment for approximately 100 years.

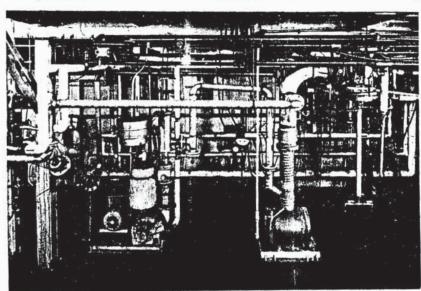
### resting **Facilities**

Pfaudler uses a complete range of thin-film evaporation tests to determine the operating parameters for processing of your product in a Pfaudler Wiped Film Evaporator. The simplest test is run in a bench-size unit. A one-quart sample of product is sufficient to conduct a Feasibility Test in this unit to determine if pilot plant

testing is required.

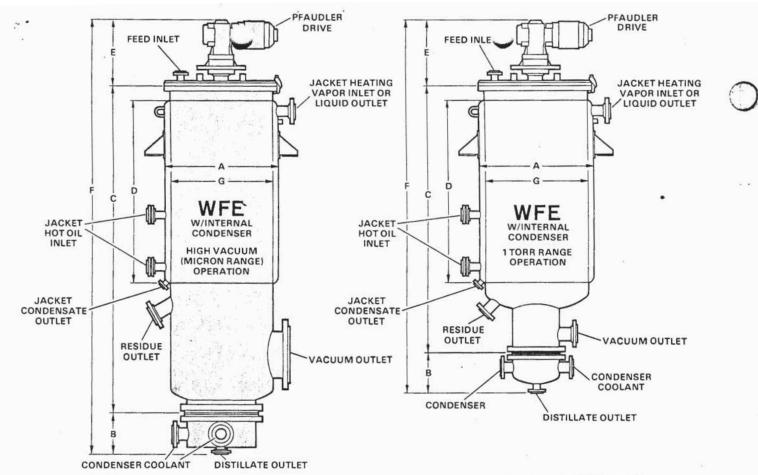
The Pfaudler Technical Center has pilot plant test facilities which include three complete Wiped Film Evaporator Systems: a 1.2 sq. ft. pilot plant unit for small quantities of product; a 4.2 sq. ft. high vacuum unit operating at 10 microns Hg. abs.; and a medium vacuum 4.2 sq. ft. unit. All these units can operate at temperatures up to 650°F for pilot plant tests. These systems are used to optimize operating parameters and to scale-up equipment. Frequently, test information stored in our data bank allows us to scale-up without pilot plant testing. When this is not possible, a pilot plant test is recommended. Clients are invited to observe and participate in these tests and a comprehensive test report is supplied upon conclusion of each pilot plant test.





The Pfaudler pilot plant test facility incorporates a 4.2 sq. ft. 1mm, medium vacuum unit and a 4.2 sq. ft. high vacuum system to use in scaling-up to customer requirements.

Enclosure 9 - Proposed Thin Film Treatment Process at Oniego Chama



	-		Internal Condenser Area (sq. ft.)	Volume	Dimensions (Inches)						Specifications			
	Evap. Surface Area (sq. ft.)	Model No.				В	С	D	E	F	Nominal Dia.	Drive	Pressure Ratings (psig) @ 650°F	
					Α							HP/RPM	Jacket	Inner Shell
17.5	1.2	1.2-6V-1.6	1.6	1- E-7-1	8.62	5.25	19.88	9.00	9.44	34.56	Fallen.	Variable Belt .75/560	470/455	FV Int.
	4.2	4.2-12L-7	7	2.0	14.75	9.312	35.00	15.25	34.375	79.00	12	2.5 DTW 1/280	145/130	FV Int.
	4.2	4:2-12V-19	19	2.0	14.75	8.50	40.125	15.25	34.375	83.00	ilk.			
	8.8	8.8·12L·12	12	4.4	14.75	9.312	52.00	32.25	34.375	96.00	12	2.5 DTW 1/280	125/110	FV Int.
	8.8	8.8-12V-27	+27_	4.4	14.75	8.50	57.125	32.25	34.375	100.00	la difere			
*	13.4	13.4-12L-18	16.7	6.6	14.75	9.312	69.00	49.25	40.75	119.00	12	3 DTW 3/280	115/110	FV Int.
	13.4	13.4-12V-35	35	6.6	14.75	8.50	74.125	49.25	40.75	124.00	112			
	25	25-36L-37.5	37.5	26	40.00	13.875	57.00	32.50	28.75	100.00	36	3 DTW 3/97	160/145	FV Int.
	25	25-36V-121	121	26	40.00	13.00	81.50	32.50	28.75	124.00	36			
I I	51.2	51.2-36L-75	75	53	40.00	13.875	91.00	66.50	28.75	134.00	36	3 DTW 3/97	135/120	FV Int.
and the second	51.2	51.2-36V-172	172	53	40.00	13.00	115.50	66.50	28.75	158.00	36			
1	77.3	77.3-36L-113	113	79	40.00	13.875	125.00	100.50	52.312	192.00	36	5 RW 5/97	145/130	FV Int.
The same of	77.3	77.3-36V-223	223	79.	40.00	13.00	149.50	100.50	52.312	215.00	36			
	103.4	103.4-36L-150	150	106	40.00	13.875	159.00	134.50	65.562	239.00	36 ,	6 RW 7.5/97	135/120	FV Int.
	103.4	103.4-36V-274	274	106	40.00	13.00	183.50	134.50	65.562	262.00	der (36 m)			
	231	231-60L-350	350	298	66.38	23.25	214.38	178.75	86.12	323.75	60	8 RW 25/77	120/105	· FV Int.

High Vacuum design

Materials of Construction:

All product wetted surfaces are 316 S/S in the 6" dia. unit; 316 L S/S solid in the 12" dia units; 316 L S/S clad on carbon steel in the 36" dia. units: and 316 S/S clad or solid carbon steel in the 60" dia. unit.

Wipers:

Centrifugal PTFE wiper blades are standard on all units.

### Entrainment Separator:

Two entrainment separators are standard: chevron on the high vacuum model and louver on the medium vacuum unit.

Variable speed belt drive used on the 6" dia. and 12" dia. units; fixed gear on 36" dia. and 60" dia. units. All are explosion proof designs.

\* Proposed treatment model

1. Dimensions subject to change. Refer to detail print for installation dimensions.
2. Dimensions available in metric conversion.
Contact Rochester office.

New this film treatment process at Omega Gram. Co. proposed

# Glass-Lined Wiped Film Evaporator

For highly corrosive service, the Pfaudler Co. offers glass-lined wiped film evaporators. In these units, internal metal components exposed to the product are protected with Glasteel®, Pfaudler's exclusive borosilicate glass lining. Other internal components are made of PTFE.

For more information on glasslined wiped film evaporators, contact your Pfaudler Representative.

### Project Engineering Services

Pfaudler engineers have many years of experience in distillation system design and process applications, and can help you integrate a Pfaudler Wiped Film Evaporator into an existing process. Or, they assume responsibility for the design, layout, and supply of a fully engineered new system or complete processing plant. They select auxiliary equipment, supply detailed equipment and piping layouts, and assist in erection and start up. For further information, write for the bulletin on Pfaudler Project Engineering.

# Call any of our branches:

Albany, New York (518) 785-4466
Baton Rouge, Louisiana (504) 293-7650
Charlotte, North Carolina (704) 537-7063
Chattanooga, Tennessee (615) 875-3614
Chicago, Illinois (312) 671-0474
Cincinnati, Ohio (513) 561-8068
Clifton, New Jersey (201) 471-6090
Davis, California (916) 753-4120
Denver, Colorado (303) 758-1585
Detroit, Michigan (313) 646-3776
Houston, Texas (713) 780-3187
Philadelphia, Pennsylvania (215) 649-5190
Pittsburgh, Pennsylvania (412) 364-5666
Rochester, New York (716) 235-1000
Toronto, Canada (416) 751-7644

# SYBRON Pfaudler

Write:

The Pfaudler Co. Division of Sybron Corp. Rochester, New York 14603 Oct 15

# Omega Chemical Corp.

Bachelor Chemical Processing Div.

CAD042245001

October 8, 1980

Mr. Bill Wilson
EPA Region IX
ATTENTION: A-3-2
215 Fremont Street
San Francisco, CA. 94105

Mr. Wilson,

Enclosed is the application for a Consolidated Permit Program, Part A.

Anything you can do to expedite the approval of this permit would be greatly appreciated.

Yours.

Dennis R. O'Meara

Dervice K. Millediay

DRO/jmh

Enclosure



#### REFRIGERANTS

Save over half the cost of new refrigerant, when you recharge or service an air conditioning or refrigeration unit. Send the used material to Bachelor. In a few days Bachelor has processed and returned your refrigerant back to you in a like new condition ready to use again.

- in a like new again.
  Typical refrigerants that Bachelor handles regularly:
  R-11 Trichchlorofluoromethane
  R-12 Dichlorodifluoromethane
  R-22 Difluorochloromethane
  R-113 uns-Trichlorotrifluoroethane

Lithium Bromide Solutions
Ethylene Glycol Solutions
In addition Bachelor processes a
variety of specialty refrigerants for
the unusual application.
R-13 Monochlorotrifluoromethane
R-14 Dichlorotentariluoromethane
R-114 Dichlorotethane variety
R-145 Hexafluoroethane
R-116 Hexafluoroethane
Monochlorogentafluoroethane

ethane
R-503 Trifluoromethane/
Monochlorotrifluoromethane

### SPECIALTY OLVENTS

Many chemicals and solvents are now so expensive that even a single drum can sometimes cost over \$500.00. If you generate wastes containing expensive materials, let Bachelor separate and purify these chemicals back to new condition. Some of the unusual specialty chemicals that Bachelor has handled:

Glacial Acetic Acid Glacial Acette Acid
Vinyl Acetate
Styrene Monomer
Bachelor can usually determine in a
few days the various purity levels
and resulting charges for recycling.
Given a small sample

THE DMF VAC EG GAA ODB EGME EGBE GLY

### Custom recycling & reclaiming



### FLUORINATED SOLVENTS

Many of the critical uses of these solvents in the aerospace, electronic solvents in the aerospace, electronic solvents in the aerospace, electronic solvents in the solvents in the solvents are minimum of contamination and the solvents are solvents, bachelor cepted them back to its prior purify.

Saving you over one half the cost of new solvents, Bachelor can reclaim here heavilies. Whether you have heavilies are the solvents, Bachelor can reclaim official solvents, Bachelor can be solvents, Bachelor can distill them to your desired specifications — 99.80% or even to 99.99%. Fluorinated solvents recycled regularly:

1, 1, 2 — Trichlorotrilluoroethane

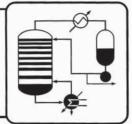
- Freon TP\* or Genesolv D \*\*
- Freon TP\* or Genesolv D \*\*
- TP\* or TP\* or Genesolv D \*\*

### REDUCE COSTS

### DISTILLATION - ULTRA PURE-

Pressure
Vacuum
CAPABILITIES
Batch Fractional
Continuous Fractionation
Azeo Tropic Distillation
Extractive Distillation
Solvent Extraction
Molecular Distillation

ULITA PUHE
These unique capabilities allow Bachelor to separate and purify an extremely wide range of chemicals and solvents to your most specific purify that Bachelor provides are:
A.C.S. Reagent Grade
Semiconductor Electronic Grade
and chemicals for aerospace, electronics, reclamation of aircraft hydraulic fluids and jet engine of airlines and specialty stillcone fluids.



#### CHLORINATED SOLVENTS

When confronted with increasing environmental rules and regulations, how do you reduce costs with prices of raw materials rising regularly? Let Bachelor reclaim your used chlorinated solvents. Bachelor can bring them back to Mil and Fed specifications or even your special proprietary formula. Having uniquely designed facilities, Bachelor can recycle your drum or tankcar of spent material back to

your virgin requirements.
The usual savings are at least one half the cost of the new material.
Some customers have reduced their raw material costs by almost \$100,000.00.
Common Chlorinated Solvents Processed
1, 1, 1-Trichlorethane Petrchloroethylene Methylene Chloride Trichloroethylene Let Bachelor help you save money.



### **CUSTOM CHEMICAL** PROCESSING & REACTIONS



### - UNEQUALED QUALTIY CONTROL -

Insuring continuing product purity repeatability, is the most important responsibility of Bachelor Chemical Processing Div. Production batches are closely monitored before, during and after packaging to total processing control. Final quality control analysis is performed on each batch of

Our flexible and innovative processes provide you with the precise quality and proper quantity of product that you desire. Employing the most advanced chemical equipment, Bachelor reactors and systems have a broad

range from 25 milliliters to 400 gallons both glass and stainless steel reactors. To provide you the ultimate in physical purity, Bachelor has special flittation facilities to remove all particulate matter down to 0.05 micron in size.

### REFRIGERANTS

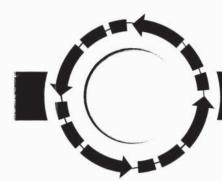
R-11 (Trichlorofluoromethane)
R-12 (Dichlorodfluoromethane)
R-22 (Difluorochloromethane)
R-22 (Difluorochloromethane)
R-113 (uns-trichlorotrifluoromethane)
Lithium Bromide Solutions
Specialty Refrigerants
R-13 Monochlorotrifluoromethane
R-14 Dichloromenontluoromethane
R-14 Dichlorotertafluoroethane
R-14 Dichlorotertafluoroethane
R-150 Dichlorodfluoromethane/
Monochloropentafluoroethane
R-500 Trifluoromethane/

#### CHLORINATED

Chlorosolv — 1, 1, 1
1, 1, 1 — Trichloroethane, O-T-620c
Chlorosolv — Perc
Perchloroethylene, O-T-236c
Chlorosolv — M/C
Methylene Chloride
Mil-C-6998b
Chlorosolv — TCE
Trichloroethylene O-T-634b

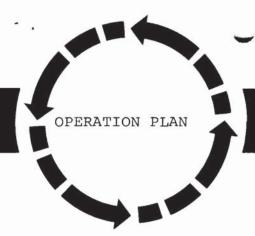
#### **FLUORINATED**

Fluorosolv TV
(1, 1, 2 — Trichlorotrifluoroethane,
Mi C-813028)
Fluorosolv TMC,
azeotrope of Fluorosolv TV, methylene
chloride, and methyl alcohol
Fluorosolv TE, azeotrope of Fluorosolv TV
and ethyl alcohol
Fluorosolv TP, azertope of Fluorosolv TV
and isopropyl alcohol
Many custom blended and formulae of
fluorinated solvents available



Bachelor Chemical Processing Div. Omega Chemical Corp.

> SPECIALISTS IN CHEMICAL **PROCESSING** ... TOTAL CAPABILITIES



### Bachelor Chemical Processing Div. SPECIFICATION

### Omega Chemical Corp.

12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

### OPERATION PLAN FOR HAZARDOUS WASTE RECOVERY FACILITY

#### INTRODUCTION

This operation plan is for a hazardous chemical recovery facility. At this location we process (by a variety of proven separation techniques) contaminated chemicals back to original or user specifications. This allows these chemicals to be used over and over again, avoiding the unnecessary dumping of these wastes into land fills or evaporating into land fills or evaporating into the air.

### I. Facility Identification

Operation Plan for Omega Chemical Corporation 12504 E. Whittier Blvd. Whittier, California 90602

Owner: Omega Chemical Corporation

12504 E. Whittier Blvd.

Whittier, California 90602 (213) 698-0991

Contact Person: Dennis R. O'Meara

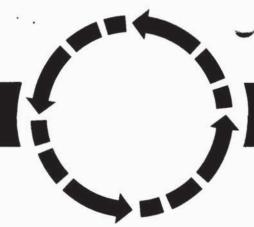
This facility provides for the treatment of and recycling of chemical and hazardous wastes through the use of distillation and other specialized chemical processing.

Facility Layout See Attached

#### II. Waste Characterization

The known or anticipated wastes shall include but not exclude fluorocarbons, chlorinated solvents, organic chemical liquids such as alcohols, glycols, amines. These are generally industrial type chemicals that become contaminated through use. We recycle them back to their original specification or to a customer's requirements. The average volume handled per month is 30,000 to 60,000 gallons.

This material arrives at our facility usually in drums or bulk. At present a majority of it is in drums.



# Bachelor Chemical Processing Div.

### SPECIFICATION

### Omega Chemical Corp.

12504 EAST WHITTIER BOULEVARD
WHITTIER, CALIFORNIA 90602

### Safety Equipment

Uniforms are supplied to all processing personnel. Eye wash and saftey showers are installed in the processing area for immediate use. First Aid equipment is in each truck. The plant has emergency exygen and first aid station. Protective gear is available for required use. It includes total outer wear including goggles and hard hats.

Also there is safety mask with air for entering or operating in low oxygen areas.

All operations have been videotaped. On a regular basis all employees review the individual tapes. They describe in detail the proper operation of all equipment. An operating employee explains in an understandable manner all operations and safety precautions to be used.

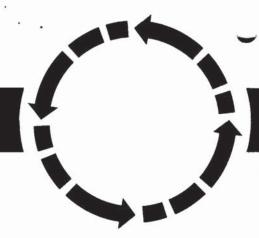
Signs in both English and Spanish are posted identifying that there is hazardous waste on our facility. It is posted on our gates and in the storage area.

All forklifts have lights attached for night work.

Omega maintains an up to date library which described in complete detail all physicial and chemical properties of the chemicals that we handle.

### Training Program

Once a month, Omega has a general meeting. During the meeting, there is a safety discussion, which consists of a general review of any pertinent safety matters. There is an open discussion of safety such as needed repairs or maintenance that may have been overlooked. Suggestions are brought up as to how to opeate in an improved and safe manner.



# Bachelor Chemical Processing Div. SPECIFICATION

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All operating prodecures have been taped on a video cassettes. These cassettes clearly show and explain the equipment. The steps to properly operate and safety measures to be used are shown on the film by one of operating personnel. It is done so that each person must describe and explain each piece of equipment. The cassettes are reviewed for accuracy and clear explanation of the processes.

The cassettes and video equipment are maintained in the library so that personnel can review the proper steps. All new personnel must view all tapes and are questioned as to their understanding of all operations.

New personnel are then assigned to an operating supervisor for 30 days minimum to give them hands on experience of the equipment under very close supervision.

### Security Equipment

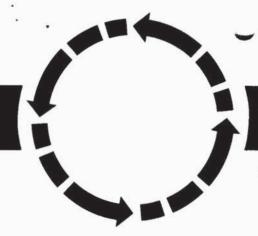
The entire area is fenced with cyclone fence. areas have signs indicating No Smoking Area.

### Lighting

There is explosion proof lighting in the process area. Lighting in the yard and storage area is sufficient for night work.

### Water Supply

- On site water supply. All taps and faucets 1. have portable water points at the plant.
- Public water supply protection. The public water supply has back flow devices to prevent contamination.



### Bachelor Chemical Processing Div.

### SPECIFICATION

### Omega Chemical Corp.

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### III. Major Physicial Facilities

The raw waste chemicals are stored in either drums or bulk until appropriate processing can be done. Both finished products and raw material that are stored in bulk are in vertical storage tanks are sturdy and leak proof and have appropriate venting apparatus. Tanks have markings to identify the classification and type of liquid which they contain.

Our processing facilities are all pressure systems that are closed to the atmosphere. All processing is done to eliminate any emissions or unregulated discharges. All systems are stainless steel to avoid any reaction problems with any of the chemicals being processed. There is no direct heat used. Steam is used throughout to control all heating.

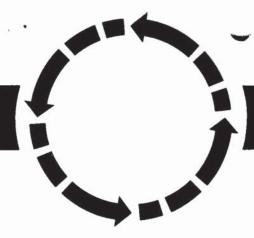
After we have recycled all the available material from the wastes, the residual material is identified and stored as hazardous waste dump or sold to other useres. Example, the major contaminants from the fluorocarbon refrigerant processing is oil. After distilling, the bottom product is a good grade oil, this is sold to asphalt plants for further processing. In other cases where the residual has no intrinsic value, it is accumulated in drums and then shipped to an appropriate dump site..

It must be noted that through our processing these wastes that are dumped are less than 5% of our total incoming material. We have significantly reduced the potential waste by an average factor of 20 to 1.

### IV. Facility Equipment & Devices

Major Processing Equipment Distillation Systems

- 1 10 ft. x 12 inch Packed Column with 2500 gallon Reboiler
- 1 10 ft. x 12 inch Packed Column with 150 gallon Reboiler
- 1 30 ft. x 8 inch Packed Column with 500 gallon Reboiler



### Bachelor Chemical Processing Div. SPECIFICATION

### Omega Chemical Corp.

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- 1 5ft. x 12 inch Packed Column with 1000 gallon Reboiler Steam Distillation
- 1 50 gallon Pfaulder glass lined Reactor
- 1 15 ft. x 14 inch Packed Column
- 1 15 ft. x 8 inch Extraction Column
- 1 15 ft. x 6 inch Extraction Column

### Laboratory Equipment

- 1 Gas Chromatrogrph and Analyzer
- 1 UV Spectrophotometer
- 1 Kart Fisher Aquameter
- 1 pH meter
- 3 Pilot distillation systems
- 1 Fume hood

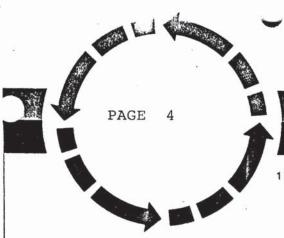
All of our waste handling equipment is planed and used to avoid undue spillage and losss. Our unleading equipment includes a forklift with a special drum grabber. Our drum pump for unloading from drums is a diaphram pump which allos us to pump out by suction. Since this is an air operated pump the flammability hazard is eliminated.

In addition, all of our trucks have lift gates to facilitate the proper movement of drums.

- V. General Operating Procedures
  - Receipt and Identification of Hazardous Waste. Α.

All incoming material whether by drum or bulk is entered into our log book. This material is identified as to the type and quantity of waste. This is compared to shipping papers or waste haulers records. The waste is tested by the plant manager or his assistant.

After identification, the drums are marked as to their identity and stored until they are to be processed. If bulk material comes in, it is placed in the raw storage tanks and noted.



### Bodielo Chemicol Processing Div. SPECIFICATION

### Omega Chemical Corp.

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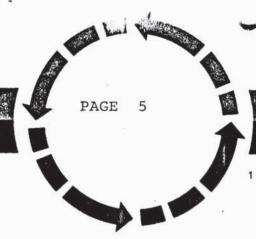
When the material is to be recycled, it is brought to the processing area. Under the supervision of the plant manager or his assistant, the material is pumped into the reboiler for distillation. All drum pumps for waste material are air operated diaphram type. This allows the material to be sucked by vacuum into the reboiler. All essential material is removed from the drum. This avoids the unnecessary chance of spill or breakage. Even if the drum is rusted, material can be sucked through any opening in the drum. the event of any spills, the material can be vacuumed from the ground.

Since the pumps are air operated, there is no possibility of ignition source during transfer. There is also a dike around the tank farm which can contain any accidental spillage.

In the processing area, there is an eye wash provided for emergency use. Uniforms and protective equipment are issued to all personnel to minimize contamination to any person. All systems are closed loop to avoid any volatile vapors from escaping into the environment. All processing equipment are pressure vessels that can withstand vacuum of pressure.

Material, all during its stages, is tested for contaminant level, so as to be handled properly. After distillation product is contained in intermediate storage tanks. This material must be tested and approved before being drummed as finished reclaimed product or pumped to finished storage tanks. All empty containers are stored until enough has accumulated to send to cooperage for reconditioning.

When batch process is completed and the product has been removed, the residue is drummed and stored. When an appropriate amount has been accumulated, an accredited waste hauler comes in to remove this material to Class 1 dump for disposal. It must be noted that the residue is usually a small fraction of the original In many cases it has been reduced to a solid waste, making it easier to handle and much more manageable. On the plant premises, there is sufficient material to decontaminate any organic spill and render it harmless. There is a library with reference books to describe any unexpected problem and its proper handling. Smoking is prohibited in all areas except the office. All open flames are prohibited in all areas. There is no burial of wastes on long term storage of waste. This facility is dedicated to



### Bothelog Chemical Processing Div. SPECIFICATION

### Omega Chemical Corp.

12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

recycling or treating the waste and processing it to a marketable and usable product.

All waste is processed and returned to an end user. Any residue remaining is sent to a proper dump for disposal.

### VI. Personnel

### A. Adequate staff

The general manager and plant manager are qualified chemical engineers, knowledgeable in chemical processing. The general manager has studied and received a certificate from the U.S. Army School of Chemical, Bioligical, and Nuclear Decontamination procedures and personnel safety.

All personnel are under their supervision and training regarding the proper handling and processing and disposal of wastes. Names and addresses of responsible personnel have been given to fire and local authorities. The special fire branch of L. A. County make regular visits to review techniques and safety. All their suggestions are followed by personnel.

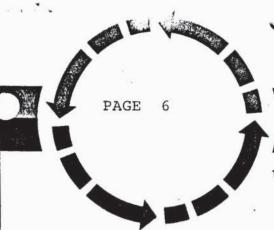
#### VII. Continguency Plan

Safety is a primary concern of Omega Chemical. Should there be an accidental discharge or accident with hazardous wastes, personnel are trained to deal with it in an appropriate manner.

In the event of a small spill, we use clay absorbent to soak up the material. In case of a larger spill we immediately dike the area to contain the spill. Then we use a vacuum pump to suck the residual product.

We maintain more than adequate equipment to handle all anticipated accidents.

In the event of a major catastrophe, all electrical and gas equipment can be shut down in an area remote and safe from the processing area.



### CHECKTON SPECIFICATION

### Omega Chemical Corp.

12504 EAST WHITTIER BOULEVARD WHITTIER, CALIFORNIA 90602

The following individuals are listed in descending priority for coordination of emergency response measures:

> Steve Simpson Dennis O'Meara Dianne Jones

These people are familiar with the hazardous wastes handled at the facility.

### VIII. Environmental Control Permits

Conditional land use permit has been applied for from Santa Fe Springs City planning department.

All of our present systems are closed systems or equipment size is below the minimum established by the South Coast Air Quality Board. At that point in time when permits are applicable they will be promptly applied for.

The same conditions at present also apply to the Regional Water Quality Control Board.

### IX. Records and Reports

A bound, daily log book is maintained by each shift supervisor as to conditions and what is being processed. addition a yield book is maintained on the resultant separations of raw materials processed.

All material brought or shipped into our facility has appropriate shipping papers identifying its hazardous classification, generic name, quantity, and user.

All materials that must be disposed are sent to an appropriate location with correct documentation.

Any accident that could result in a hazard to public health nd safety or result in a discharge of hazardous waste outside of area designated in the Plan will be reported within 24 hours to DOHS.

All appropriate monthly statements will be sent to the DOHS.

# Omega Chemical Corp.

Bachelor Chemical Processing Div.

October 13, 1982

Mr. John A. Hinton, P.E. Permits, Surveillance and Enforcement Section Hazardous Waste Management Branch 107 South Braodway Room 7128 Los Angeles, CA 90012



Mr. Hinton:

Listed are our corrections to the deficiencies listed on August 26, 1982

- 1) We have now a copy of the Interim Status Document on file.
- 2) The Hazardous Caution Signs are now posted in both English and Spanish.
- 3) The Hazardous Waste Storage have the signs on a temporary basis with permanent signs on order and will be placed within 30 days as per NFPA.
- 4) We have two (2) eye baths and another safety shower has been ordered and will be place within 30 days.
- 5) A written waste analysis plan as detailed in the Interim Status Document is now on file in our operations plan.
- 6) A schedule for inspection of our monitoring equipment is now on file and included in our operations plan.
- 7) Omega has expanded the information listed in the continguency plan.
- 8) The closure plan has been added to the operations plan and filed.

SAR 10/15/82

# Omega Chemical Corp.

Bachelor Chemical Processing Div

Mr. John A. Hinton, P.E. October 13, 1982
Page Two

Should you have any additional questions please let me know. Thank you for your help and suggestions.

Truly yours,

DENNIS R.O'MEARA

DRO/mm

CC: Susan Romero